The Institute of Physics

BULLETIN

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THE INSTITUTE OF PHYSICS

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Appointments Vacant

The inclusion of particulars of a vacancy must not be taken to imply that the Institute necessarily approves of the terms offered or that might be offered. Candidates should satisfy themselves that these are satisfactory, and they may always refer to the Institute for advice.

D.S.I.R. ROAD RESEARCH LABORATORY, Harmondsworth, Middlesex, requires Physicists for research on (1) rheology of solid-liquid systems and viscous and visco-elastic fluids to provide basic information for design of bituminous road mixtures ; (2) physical properties of concrete including various aspects of its rheology, effect of changes on construction procedures and properties of hardened concrete. Varied and interesting work carried out in laboratory and field, providing satisfying sense of achievement in solving the many problems involved; also contacts with other research physicists, chemists, engineers and mathematicians and eminent practising physicists at home and abroad. Posts in Scientific Officer or Senior S.O. grades, requiring first or second class honours degree in physics or equivalent. For S.S.O. posts some research experience necessary. Salary range £615–£1,370 (men). Women's pay slightly less. Equal pay scheme. Normal prospects of promotion to Principal S.O. in mid-thirties (range up to £2,000 with possibilities of higher posts). Opportunities for early establishment, with superannuation. 5-day week. Forms from M.L.N.S., Technical and Scientific Register (K), 26 King Street, London, S.W.1, quoting A.362/7A.

COMMONWEALTH OF AUSTRALIA

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Appointment No. 490/67 of Research Hydrologist

Applications are invited for appointment to a position of Research Hydrologist with the Commonwealth Research Station located at Merbein, Victoria. Work at the Station includes fertility studies and research into soils and their behaviour under irrigation. As part of this programme, a Research Hydrologist is required to undertake investigations on the principles involved in the application of irrigation water to land and on problems of groundwater hydrology.

Applicants should have a University honours degree in engineering, agricultural engineering, or science with physics as major subject or equivalent qualifications and with research experience in one or more of the fields of soil physics, meteorology, hydraulics and groundwater hydrology.

Commencing salary is dependent upon the appointee's qualifications and experience and will be determined within the salary ranges of Research Officer or Senior Research Officer, £A1,313–£A1,938 p.a. or £A2,048 – £A2,323 per annum. Salary for a female appointee would be £A167 per annum less than the corresponding male rates quoted.

The appointment will be conditional upon a satisfactory medical examination and the appointee may be required to serve for an initial probationary period of up to twelve months before being confirmed in his appointment as an Officer of the organization. If so confirmed he will be required to contribute to and be eligible to receive benefits from either the Commonwealth Superannuation Fund or the Commonwealth Provident Account.

Applications quoting Appointment No. 490/67 and stating full name, place, date and year of birth, nationality, marital state, present employment, particulars of qualifications and experience, and of war service, if any, accompanied by copies of not more than four testimonials and the names and addresses of three professional referees, should reach the undersigned, from whom further particulars may be obtained, by January 25, 1958.

A. Shavitsky,
Chief Scientific Liaison Officer.

Australian Scientific Liaison Office,
Africa House,
Kingsway,
London, W.C.2.

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To lead small teams carrying out original research in electronics. These deal with a wide variety of interesting problems which arise in nuclear physics and which cannot be solved by presently available techniques and equipment.

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Postcards for application forms to the Senior Recruitment Officer at above address. Please quote ref. 1647/110.

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Assistant Physicist required for work on X-ray crystallographic analysis and general physical problems. Previous X-ray experience is not essential but applicants should be of H.N.C. or degree standard with some industrial experience. Preferred age group 20 – 26 years. Please write giving full particulars to the Personnel Manager, The Fairey Aviation Co. Ltd., Hayes, Middlesex.

ENGINEERS, PHYSICISTS and CHEMISTS up to age 30, who are looking for interesting and responsible posts in industry are invited to write to Pilkington Brothers Ltd., whose expansion programmes offer vacancies in both their Research and Technical Development Departments affording wide scope and good prospects to men with a good degree in the appropriate subject.
The appointments are progressive and pensionable, with starting salary commensurate with age, qualifications and experience.
All reasonable expenses will be paid to applicants asked to attend for interview.
Replies to the Personnel Officer (Staff), Pilkington Brothers Ltd., St. Helens, Lancashire.

PHYSICISTS

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RESEARCH LABORATORIES, LEATHERHEAD

Physicists required at the Laboratories for research into the non-destructive testing of all types of materials used in the Electricity Supply Industry. The work will consist of developing and applying techniques rather than actual routine testing.
Candidates should have an honours degree or equivalent qualification. Experience in one or more branches of non-destructive testing will be a recommendation, but newly qualified applicants will be considered for the Grade 4 appointment.
Salary for the appointments will be within Grade 3 or 4 of the National Joint Board Agreement, i.e. £1,055 – £1,265 or £820 – £995 p.a.
Write for application form to D. Moffat, Director of Establishments, Winsley Street, London, W.1, to be returned by January 20, 1958. Quote ref. B.I.P./514.

BRITISH PETROLEUM CO. LTD. requires an Honours Graduate in Physical Chemistry or Chemistry, and preferably, but not essentially, with some experience in an industrial development laboratory. The work involves control of routine testing of materials used in the drilling, testing and completion of oil and gas wells, and special investigations connected with this side of oil field development. Geochemical work, involving preliminary examination of oils from all sources (soil, oil reservoir rocks, oil seepages, etc.) including paper and column chromatography is also important. The vacancy occurs at the Company's Research Station at Sunbury-on-Thames. Non-contributory pension scheme. Salary according to age, qualifications and experience. Write giving full details, quoting H.3682A to The Manager, Recruitment Branch, The British Petroleum Co. Ltd., Britannic House, Finsbury Circus, E.C.2.

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HILGER AND WATTS LTD., have an interesting vacancy in their Technical Sales Department and invite applications from young men under 25 years of age who have reached at least O.N.C. or G.C.E. standard in physics and mathematics. Some experience or knowledge of diffraction X-ray equipment would be an advantage and knowledge of languages, particularly French, German or Spanish, would also be useful. The successful applicant can be assured of an interesting career in a progressive firm with an international reputation. Five-day week, canteen facilities and a superannuation scheme. Those interested should write in the first instance stating age and giving full details of education, qualifications and experience, quoting Ref. B9 to the Personnel Officer, 98 St. Pancras Way, Camden Road, London, N.W.1.

THE MOND NICKEL CO. LTD. requires a Physicist or Physical Metallurgist to work in its Research Laboratory in Birmingham on the development of materials possessing special physical properties. The interests of the section concerned are being widened and will include studies on X-ray and magnetic methods of phase analysis, improved magnetic materials, alloys with controlled thermal expansion, constant modulus alloys, thermal properties of materials, etc. Applicants should possess a good honours degree, or equivalent qualifications, and be capable of working on their own initiative. Publication of results is encouraged.

Salary will be in accordance with experience and qualifications. Pension and assurance schemes are in operation and, in appropriate cases, assistance can be given with housing. Applications, which will be treated in strict confidence, should give details of age, qualifications and experience and be addressed to The Manager, Development and Research Department, The Mond Nickel Co. Ltd., Thames House, Millbank, London, S.W.1. Mark envelope Confidential L.48.

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For experimental work, involving general physical techniques in a physics laboratory associated with nuclear physics work. The minimum qualification is H.S.C.(Science) or equivalent, including physics or chemistry. A knowledge of high vacuum systems and ability to design and construct experimental apparatus an advantage.

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Salary : E.O. £990 – £1,215 p.a.
A.E.O. £395 (stage 18) – £700 (at age 26) – £855 p.a.

Contributory superannuation scheme. A house or assistance towards legal expenses on house purchase will be available for married officers living beyond daily travelling distance.
Postcards for application forms to the Senior Recruitment Officer at above address. Please quote ref. A/1543/110.